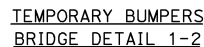
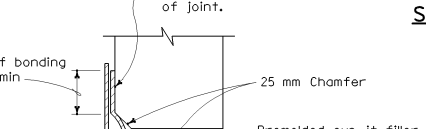


236

Brg	Bearing
CG	Center of gravity
CIP	Cast-in-place
Cont	Continuous
FS	Far side
IF	Inside face
NS	Near side
OF	Outside face
J	Outer, outer left bridge
K	Outer left bridge
S	Outer right bridge
T	Outer, outer right bridge
T&B	Top and bottom



ALTERNATIVE 2



The diagram illustrates the installation of a shear plug into a concrete bridge deck. A vertical cross-section shows a concrete slab with a horizontal joint. A shear plug, consisting of a 3 mm x 300 mm Neoprene bonded to a 75 mm min width on each side of the joint, is being inserted. The plug has a 25 mm chamfer. A premolded expansion joint filler or expanded polystyrene is shown behind the plug. A protective cover (hardboard or other suitable material) is placed over the plug. Dimensions include a 75 mm min limit of bonding and a 25 mm min fold of neoprene into the depression. A note states: "When used on CIP prestressed bridges, do not apply waterstop until stressing is complete."

3 mm x 300 mm Neoprene bonded
75 mm min width on each side
of joint.

SHEAR

Limit of bonding
75 mm min

25 mm Chamfer

Premolded exp jt filler
or expanded polystyrene

Fold neoprene
into depression

25 mm Min

Protective cover
(hardboard or other
suitable material)

When used on CIP prestressed
bridges, do not apply waterstop
until stressing is complete.

See barrier details

⊗ Use #36 bars if wingwall supports a sidewalk.

#29

#13 @ 450 Outside face

#13

"C" bars inside face

300

See barrier details

⊗

#13 @ 200

"C" bars inside face

#29

#13 @ 450 Outside face

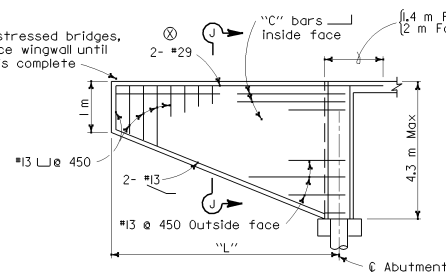
#13

Match deck

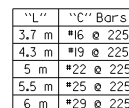
225 mm Max

300

SECTION J-J
With overhang



ELEVATION
VERTICAL ABUTMENT



The diagram illustrates a cross-section of a joint repair. A vertical wall on the left contains a horizontal joint. A "Premolded exp jt filler or expanded polystyrene" is inserted into the joint. A "25 mm Chamfer" is shown at the bottom of the joint. A "Protective cover (hardboard or other suitable material)" is applied over the joint. The "Limit of bonding" is indicated by a horizontal line. Dimensions include "25 mm Min" for the width of the filler and the bonding limit, and "75 mm x 300 mm Neoprene bonded 3 mm min width each side of joint, (fold neoprene into chamfer)" for the protective cover.

CORNER DETAIL
FOR SKEW OVER 20°

BRIDGE DETAILS

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

BO-1